



## Local Situation Report

Prepared: 8-19-14 @ 1000

Local	GACC	Nat'l
2	1	3

**Today's Fire Danger**  
**High**

## INCIDENT SUMMARY for Yesterday

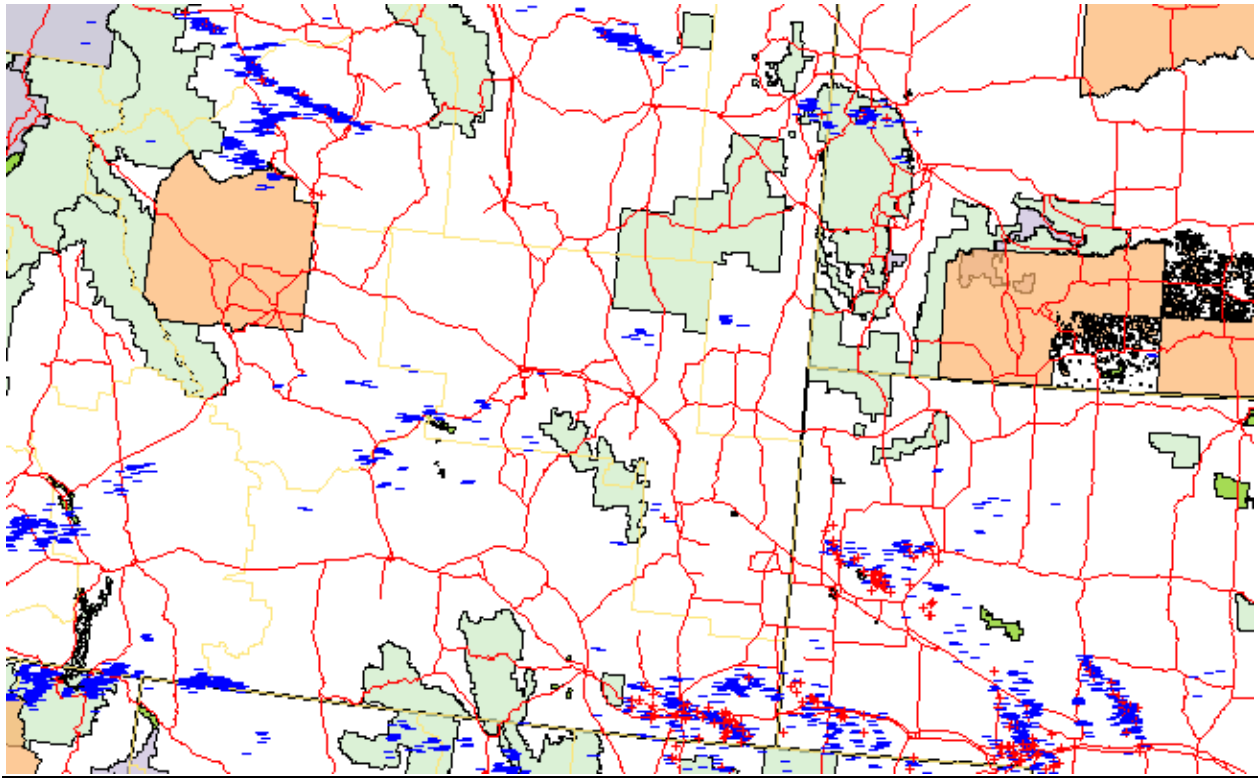
COUNTY AND STATE FIRES						
<u>Unit</u>	<u>Inc Name</u>	<u>Size</u>	<u>Cause</u>	<u>Status</u>	<u>Location</u>	<u>Remarks</u>

MED BOW NATIONAL FOREST						
<u>Unit</u>	<u>Inc Name</u>	<u>Size</u> (Acres)	<u>Cause</u>	<u>Status</u>	<u>Location</u>	<u>Remarks</u>

WHPD BLM						
<u>Unit</u>	<u>Inc Name</u>	<u>Size</u>	<u>Cause</u>	<u>Status</u>	<u>Location</u>	<u>Remarks</u>

**Area Discussion:**

Cooling trend is occurring these next few days.

**Lightning Map****INDICES (forecasted/actual)**

<b><u>FDRA</u></b>	<b>Predicted Today 8/19</b>		
	<b>Indices</b>	<b>Forecasted for 8/19</b>	<b>Actual for 8/18</b>
Echeta	BI	65	64
Rochelle Hills	ERC	16	16
Rochelle Hills	BI	62	55
Poker Creek	ERC	52	58
Casper Mtn	ERC	60	62
Fales Rock	BI	62	99
Sandstone	ERC	N/A	62
Esterbrook	ERC	56	53
Sawmill Park	ERC	38	38

## Duty Officers for Today:

<b><u>Duty Officers</u></b>	FS - Laramie	<b>Gonnound</b>
	FS - Saratoga	<b>Rogge</b>
	FS - Douglas	<b>Bones</b>
	BLM	<b>Ellis</b>
	State	<b>Fallbeck</b>
	FS – MBF NF	<b>Miller</b>
	Dispatch	<b>Neibauer</b>

<b>Local Aviation Resources</b>		Location	Status
	2TJ (Duncan) State	<b>Duncan</b>	<b>Avail</b>
	2HX (Rawlins) BLM	<b>RKS</b>	<b>Avail Local</b>

## Pumpkin Time for Aircraft for Today:

	Sunrise	Sunset	Pumpkin Time
Gillette	0610	2000	<b>2030</b>
Casper	0616	2001	<b>2331</b>
Glenrock	0614	1959	<b>2029</b>
Laramie	0616	1955	<b>2025</b>

## Fire Restriction for the zone:

Agency	Date	Closed	Remarks
WEX	7/10		Weston Cnt open burning restrictions
BLM	7/10		BLM Lands Weston County
SHX	7/28		Open burning restrictions
JOX	7/17		Open burning restrictions
BLM	8/1		Open burning restrictions

# Weather Discussion

WYZ280 -  
NATRONA COUNTY/CASPER BLM

HIGH TEMPERATURES WILL FALL SOME 2 TO 5 DEGREES OVER THOSE OF YESTERDAY ACROSS THE SOUTHERN ZONES...BUT RISING A FEW DEGREES OVER THE NORTH...RANGING INTO THE MID 60S IN THE NORTHERN MOUNTAINS TO THE MID AND UPPER 80S AT LOWER ELEVATIONS. WINDS WILL TEND SOUTH TO SOUTHEAST AT 5 TO 10 MPH FOR MOST LOCATIONS. MINIMUM RELATIVE HUMIDITY VALUES WILL DROP INTO THE UPPER TEENS TO LOWER 20S AT LOW ELEVATIONS...WITH MID 20S TO MID 30S (PERCENT) IN THE MOUNTAINS. ISOLATED TO WIDELY SCATTERED SHOWERS OR THUNDERSTORMS THIS AFTERNOON AND EVENING AS A VIGOROUS UPPER LEVEL DISTURBANCE COMBINES WITH INCREASED MOISTURE FROM MONSOONAL FLOW. WEDNESDAY...TEMPERATURES DROP SOME 1 TO 5 DEGREES OVER THOSE OF TODAY. MINIMUM RH VALUES WILL RISE ACROSS ALL ZONES 5 TO 10 PERCENT AS MOISTURE CONTINUES TO FLOW INTO THE REGION...KEEPING PRECIPITATION CHANCES AND RH VALUES RELATIVELY HIGH.

## .TODAY...

SKY/WEATHER.....PARTLY CLOUDY. ISOLATED SHOWERS AND THUNDERSTORMS AFTER 1200. SOME THUNDERSTORMS MAY PRODUCE GUSTY WINDS...SMALL HAIL AND HEAVY RAINFALL AFTER 1200. CHANCE OF PRECIPITATION 20 PERCENT.

MAX TEMPERATURE.....82-87.

MIN HUMIDITY.....16-22 PERCENT.

20-FOOT WINDS.....UPSLOPE/UPVALLEY 5-9 MPH UNTIL 1500...THEN SOUTHEAST AROUND 10 MPH.

RIDGE TOP WINDS.....SOUTH AROUND 15 MPH.

LAL.....1 UNTIL 1200...THEN 3.

CHC OF WETTING RAIN.LESS THAN 5 PERCENT.

HAINES INDEX.....5 OR MODERATE POTENTIAL FOR LARGE PLUME DOMINATED FIRE GROWTH.

## .TONIGHT...

SKY/WEATHER.....MOSTLY CLOUDY. ISOLATED THUNDERSTORMS UNTIL 2400. ISOLATED RAIN SHOWERS. SOME THUNDERSTORMS MAY PRODUCE GUSTY WINDS...SMALL HAIL AND HEAVY RAINFALL UNTIL 2400. CHANCE OF PRECIPITATION 20 PERCENT.

MIN TEMPERATURE.....55-60.

MAX HUMIDITY.....66-72 PERCENT.

20-FOOT WINDS.....SOUTH WINDS AROUND 10 MPH UNTIL 2400...THEN SOUTHWEST AND GUSTY.

RIDGE TOP WINDS.....SOUTH AROUND 15 MPH UNTIL 2400...THEN SOUTHWEST.

LAL.....3 UNTIL 2400...THEN 1.

CHC OF WETTING RAIN.17 PERCENT.

HAINES INDEX.....5 OR MODERATE POTENTIAL FOR LARGE PLUME DOMINATED FIRE GROWTH.

# Weather Discussion

WYZ301 -

NIOBRARA/LOWER ELEVATIONS OF CONVERSE/THUNDER BASIN NATIONAL  
GRASSLAND

AN UPPER LEVEL DISTURBANCE MOVING OVER THE DISTRICT TODAY WILL  
PRODUCE SCATTERED SHOWERS AND THUNDERSTORMS BEGINNING LATE THIS  
MORNING OVER THE MOUNTAINS...WITH STORMS DEVELOPING OVER THE  
EASTERN PLAINS THROUGH THE AFTERNOON AND EVENING AS WELL. MODERATE  
TO HEAVY RAINFALL WILL ACCOMPANY THE STORMS AS MONSOON MOISTURE  
INCREASES WITH THIS DISTURBANCE. SHOWERS AND THUNDERSTORMS WILL BE  
MORE WIDELY SCATTERED OVER THE DISTRICT ON WEDNESDAY AND  
THURSDAY...AND WILL BECOME MORE WIDESPREAD ONCE AGAIN FRIDAY AND  
SATURDAY AS A STRONGER LOW PRESSURE SYSTEMS MOVES ACROSS THE  
ROCKIES. TEMPERATURES WILL COOL AND HUMIDITIES WILL INCREASE WITH  
THIS SYSTEM AS WELL.

## **.TODAY...**

SKY/WEATHER.....MOSTLY SUNNY UNTIL 0900...THEN PARTLY CLOUDY.  
ISOLATED SHOWERS AND THUNDERSTORMS AFTER 1200  
UNTIL 1500...THEN SCATTERED SHOWERS AND  
THUNDERSTORMS. SOME THUNDERSTORMS MAY PRODUCE  
DAMAGING WINDS...LARGE HAIL AND HEAVY RAINFALL  
AFTER 1500.

MAX TEMPERATURE.....87-92.

MIN HUMIDITY.....16-22 PERCENT.

20-FOOT WINDS.....SOUTHEAST UP TO 10 MPH AND GUSTY.

LAL.....1 UNTIL 1200...THEN 3.

CHC OF WETTING RAIN.5 PERCENT.

TRANSPORT WINDS.....SOUTHEAST AROUND 10 MPH.

MIXING HEIGHT.....7700-9100 FT AGL INCREASING TO 11300-13200 FT  
AGL IN THE AFTERNOON.

SMOKE DISPERSAL.....GOOD (63600 KNOT-FT) INCREASING TO VERY GOOD  
(121300 KNOT-FT) IN THE AFTERNOON.

HAINES INDEX.....4 OR LOW POTENTIAL FOR LARGE PLUME DOMINATED  
FIRE GROWTH.

## **.TONIGHT...**

SKY/WEATHER.....MOSTLY CLOUDY. SCATTERED THUNDERSTORMS UNTIL  
2100. SCATTERED SHOWERS. SCATTERED  
THUNDERSTORMS AFTER 2100. SOME THUNDERSTORMS  
MAY PRODUCE DAMAGING WINDS...LARGE HAIL AND  
HEAVY RAINFALL UNTIL 2100. SOME THUNDERSTORMS  
MAY PRODUCE GUSTY WINDS AND SMALL HAIL AFTER  
2100 UNTIL 2400...THEN SOME THUNDERSTORMS MAY  
PRODUCE GUSTY WINDS...SMALL HAIL AND HEAVY  
RAINFALL UNTIL 0300.

MIN TEMPERATURE.....57-62.

MAX HUMIDITY.....73-79 PERCENT.

20-FOOT WINDS.....SOUTHEAST 10 TO 15 MPH SHIFTING TO THE  
SOUTHWEST AFTER MIDNIGHT.

LAL.....3.

CHC OF WETTING RAIN.15 PERCENT.

TRANSPORT WINDS.....SOUTH AROUND 10 MPH.

MIXING HEIGHT.....6200-7500 FT AGL DECREASING TO 500-1200 FT AGL  
AFTER MIDNIGHT.

SMOKE DISPERSAL.....GOOD (72100 KNOT-FT) DECREASING TO POOR (6900  
KNOT-FT) AFTER MIDNIGHT.

HAINES INDEX.....4 OR LOW POTENTIAL FOR LARGE PLUME DOMINATED  
FIRE GROWTH.

# Weather Discussion

WYZ307 -  
SNOWY RANGE/MEDICINE BOW NF

AN UPPER LEVEL DISTURBANCE MOVING OVER THE DISTRICT TODAY WILL PRODUCE SCATTERED SHOWERS AND THUNDERSTORMS BEGINNING LATE THIS MORNING OVER THE MOUNTAINS...WITH STORMS DEVELOPING OVER THE EASTERN PLAINS THROUGH THE AFTERNOON AND EVENING AS WELL. MODERATE TO HEAVY RAINFALL WILL ACCOMPANY THE STORMS AS MONSOON MOISTURE INCREASES WITH THIS DISTURBANCE. SHOWERS AND THUNDERSTORMS WILL BE MORE WIDELY SCATTERED OVER THE DISTRICT ON WEDNESDAY AND THURSDAY...AND WILL BECOME MORE WIDESPREAD ONCE AGAIN FRIDAY AND SATURDAY AS A STRONGER LOW PRESSURE SYSTEMS MOVES ACROSS THE ROCKIES. TEMPERATURES WILL COOL AND HUMIDITIES WILL INCREASE WITH THIS SYSTEM AS WELL.

## .TODAY...

SKY/WEATHER.....PARTLY CLOUDY UNTIL 0900...THEN MOSTLY CLOUDY.  
ISOLATED SHOWERS AND THUNDERSTORMS AFTER 1200  
UNTIL 1500...THEN SCATTERED SHOWERS AND  
THUNDERSTORMS. SOME THUNDERSTORMS MAY PRODUCE  
GUSTY WINDS...SMALL HAIL AND HEAVY RAINFALL  
AFTER 1500.  
MAX TEMPERATURE.....65-73.  
MIN HUMIDITY.....30-36 PERCENT.  
20-FOOT WINDS.....SOUTHWEST 10 TO 15 MPH.  
LAL.....1 UNTIL 0900...THEN 2 UNTIL 1200...THEN 3 UNTIL  
1500...THEN 4.  
CHC OF WETTING RAIN.10 PERCENT.  
TRANSPORT WINDS.....SOUTHWEST AROUND 15 MPH.  
MIXING HEIGHT.....4600-6100 FT AGL INCREASING TO 7600-9500 FT AGL  
IN THE AFTERNOON.  
SMOKE DISPERSAL.....GOOD TO VERY GOOD (70500-115800 KNOT-FT).  
HAINES INDEX.....4 OR LOW POTENTIAL FOR LARGE PLUME DOMINATED  
FIRE GROWTH.

## .TONIGHT...

SKY/WEATHER.....MOSTLY CLOUDY. SCATTERED THUNDERSTORMS UNTIL  
2100. SCATTERED SHOWERS. SCATTERED  
THUNDERSTORMS AFTER 2100. SOME THUNDERSTORMS  
MAY PRODUCE GUSTY WINDS AND SMALL HAIL UNTIL  
2100. SOME THUNDERSTORMS MAY PRODUCE GUSTY  
WINDS...SMALL HAIL AND HEAVY RAINFALL AFTER  
2100 UNTIL 2400...THEN SOME THUNDERSTORMS MAY  
PRODUCE GUSTY WINDS AND SMALL HAIL UNTIL 0300.  
MIN TEMPERATURE.....45-51.  
MAX HUMIDITY.....87-93 PERCENT.  
20-FOOT WINDS.....SOUTHWEST 10 TO 15 MPH. GUSTS UP TO 25 MPH  
AFTER MIDNIGHT.  
LAL.....4.  
CHC OF WETTING RAIN.25 PERCENT.  
TRANSPORT WINDS.....SOUTHWEST 10 TO 15 MPH.  
MIXING HEIGHT.....4700-6200 FT AGL DECREASING TO 1600-2700 FT AGL  
AFTER MIDNIGHT.  
SMOKE DISPERSAL.....POOR TO FAIR (27300-54200 KNOT-FT).  
HAINES INDEX.....3 OR VERY LOW POTENTIAL FOR LARGE PLUME  
DOMINATED FIRE GROWTH.